
 W P S R L H
 (TM)

Release 3.1A John F. Collins, Biocomputing Research Unit.
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MPSrch_pp protein - protein database search, using Smith-Waterman algorithm

Run: Wed Aug 16 09:46:59 2000; MasPar time 4.40 Seconds
 Tabular output not generated.
 352.038 Million cell updates/sec

Title: >US-09-427-873-2
 Description: (1-101) from US09427873.pep
 Perfect Score: 683
 Sequence: 1 LGKFSQTCYNASIQSVLTS.....STKINLDDHIANIDTLKYE 101

Scoring table: PAM 150
 Gap 11

Searched: 152433 segs, 15329240 residues

Post-processing: Minimum Match 0%
 Listing first 45 summaries

Database: a-issued
 1:5A_COMB 2:5B_COMB 3:6_COMB 4:PCT_COMB 5:backfiles1
 Statistics: Mean 26.165; Variance 107.692; scale 0.243

Pred. No. is the number of results predicted by chance to have a
 score greater than or equal to the score of the result being printed,
 and is derived by analysis of the total score distribution.

SUMMARIES

Rank	Score	Query Match %	Length	ID	Description	Pred. No.
1	683	100.0	101	3	US-08-969- Sequence 2, Applicatio	4.70e-58
2	683	100.0	101	2	US-08-970- Sequence 2, Applicatio	4.70e-58
3	683	100.0	101	2	US-08-970- Sequence 2, Applicatio	4.70e-58
4	683	100.0	101	2	US-08-969- Sequence 2, Applicatio	4.70e-58
5	683	100.0	101	2	US-08-969- Sequence 2, Applicatio	4.70e-58
6	683	100.0	101	2	US-08-969- Sequence 2, Applicatio	4.70e-58
7	683	100.0	109	3	US-08-969- Sequence 4, Applicatio	4.70e-58
8	683	100.0	109	2	US-08-970- Sequence 4, Applicatio	4.70e-58
9	683	100.0	109	2	US-08-970- Sequence 4, Applicatio	4.70e-58
10	683	100.0	109	2	US-08-969- Sequence 4, Applicatio	4.70e-58
11	683	100.0	109	2	US-08-969- Sequence 4, Applicatio	4.70e-58
12	683	100.0	109	2	US-08-969- Sequence 4, Applicatio	4.70e-58
13	88	12.9	618	3	US-08-834- Sequence 65, Applicatio	6.16e+00
14	80	11.7	354	1	US-08-753- Sequence 2, Applicatio	2.66e+01
15	80	11.7	354	2	US-08-984- Sequence 2, Applicatio	2.66e+01
16	80	11.7	354	2	US-09-149- Sequence 2, Applicatio	2.66e+01
17	80	11.7	372	2	US-09-149- Sequence 3, Applicatio	2.66e+01
18	80	11.7	372	2	US-08-984- Sequence 3, Applicatio	2.66e+01
19	80	11.7	372	1	US-08-753- Sequence 3, Applicatio	2.66e+01
20	80	11.7	450	3	US-09-045- Sequence 2, Applicatio	3.18e+01
21	79	11.6	706	2	US-08-553- Sequence 2, Applicatio	3.18e+01
22	79	11.6	706	4	PCT-US94-0 Sequence 2, Applicatio	3.18e+01
23	79	11.6	706	1	US-08-074- Sequence 2, Applicatio	3.18e+01

24	78	11.4	463	3	US-08-792- Sequence 1, Applicatio	3.81e+01
25	76	11.1	1454	4	PCT-US93-0 Sequence 8, Applicatio	5.43e+01
26	76	11.1	1454	4	PCT-US93-0 Sequence 16, Applicatio	5.43e+01
27	76	11.1	1454	4	PCT-US91-0 Sequence 26, Applicatio	5.43e+01
28	76	11.1	1466	5	5472939-6 atent No. 5472939	5.43e+01
29	76	11.1	1466	5	5256642-6 atent No. 5256642	5.43e+01
30	76	11.1	1537	5	5472939-5 atent No. 5472939	5.43e+01
31	76	11.1	1537	5	5256642-5 atent No. 5256642	5.43e+01
32	76	11.1	1847	5	5256642-10 atent No. 5256642	5.43e+01
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34	76	11.1	2039	5	5472939-2 atent No. 5472939	5.43e+01
35	76	11.1	2039	5	5256642-2 atent No. 5256642	5.43e+01
36	75	11.0	417	1	US-08-553- Sequence 3, Applicatio	6.48e+01
37	75	11.0	1141	1	US-08-131- Sequence 54, Applicatio	6.48e+01
38	75	11.0	1141	2	US-08-668- Sequence 54, Applicatio	6.48e+01
39	72	10.5	138	4	PCT-US92-0 Sequence 7, Applicatio	1.10e+02
40	72	10.5	138	1	US-08-309- Sequence 7, Applicatio	1.10e+02
41	72	10.5	207	1	US-08-557- Sequence 2, Applicatio	1.10e+02
42	72	10.5	425	3	US-09-020- Sequence 5, Applicatio	1.10e+02
43	72	10.5	425	1	US-08-700- Sequence 5, Applicatio	1.10e+02
44	72	10.5	425	3	US-09-020- Sequence 5, Applicatio	1.10e+02
45	72	10.5	1056	2	US-08-627- Sequence 7, Applicatio	1.10e+02

ALIGNMENTS

RESULT 1 STANDARD: PRT: 101 AA.
 ID US-08-969-378-2
 XX
 AC xxxxxx
 XX
 DT

Sequence 2, Application US/08969378

Sequence 2, Application US/08969378

Patent No. 6015876

GENERAL INFORMATION:

APPLICANT: Boyd, Michael R.

APPLICANT: Gustafson, Kirk R.

APPLICANT: Shoemaker, Robert H.

APPLICANT: McMahon, James B.

TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA

TITLE OF INVENTION: CODING SEQUENCES THEREFOR, AND USES THEREOF

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Leydig, Voit & Mayer, Ltd.

STREET: Two Prudential Plaza, Suite 4900

CITY: Chicago

STATE: IL

COUNTRY: U.S.A.

ZIP: 60601-6780

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/969,378

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/429,965

FILING DATE: 27-APR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Larcher, Carol

REGISTRATION NUMBER: 35243

REFERENCE/DOCKET NUMBER: 61037

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312)616-5600

TELEFAX: (312)616-5700

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

QY 1 LGKFSQTCYNSAIOGSLVLTSTCERNGYNTSSIDLNSVIENVDGSLKQWPSNFIETCRN 60
Db 61 TOLAGSSELAACKTRAAQFVSTKINLDDHIANIDGTLKYE 101
QY 61 TOLAGSSELAACKTRAAQFVSTKINLDDHIANIDGTLKYE 101

RESULT 4
ID US-08-969-584-2 STANDARD; PRT; 101 AA.
XX
AC xxxxxx
XX
DT

Sequence 2, Application US/08969584

Sequence 2, Application US/08969584

Patent No. 5962653

GENERAL INFORMATION:

APPLICANT: Boyd, Michael R.

APPLICANT: Gustafson, Kirk R.

APPLICANT: Shoemaker, Robert H.

APPLICANT: McMahon, James B.

TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA

TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Leydig, Voit & Mayer, Ltd.

STREET: Two Prudential Plaza, Suite 4900

CITY: Chicago

STATE: IL

COUNTRY: U.S.A.

ZIP: 60601-6780

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/969,584

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/429,965

FILING DATE: 27-APR-1995

ATTORNEY/AGENT INFORMATION:

NAME: Larcher, Carol

REGISTRATION NUMBER: 35243

REFERENCE/DOCKET NUMBER: 61037

TELEPHONE: (312)616-5600

TELEFAX: (312)616-5700

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 101 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE 101 AA; 11013 MW; 49325 CN;

Query Match 100.0%; Score 683; DB 2; Length 101;
Best Local Similarity 100.0%; Pred. No. 4.70e-58;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 LGKFSQTCYNSAIOGSLVLTSTCERNGYNTSSIDLNSVIENVDGSLKQWPSNFIETCRN 60
QY 1 LGKFSQTCYNSAIOGSLVLTSTCERNGYNTSSIDLNSVIENVDGSLKQWPSNFIETCRN 60

Db 61 TOLAGSSELAACKTRAAQFVSTKINLDDHIANIDGTLKYE 101
QY 61 TOLAGSSELAACKTRAAQFVSTKINLDDHIANIDGTLKYE 101

RESULT 5
ID US-08-969-249A-2 STANDARD; PRT; 101 AA.
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AC xxxxxx
XX
DT
XX
DE
XX
Sequence 2, Application US/08969249A
Sequence 2, Application US/08969249A
Patent No. 598587
GENERAL INFORMATION:
APPLICANT: Boyd, Michael R.
APPLICANT: Gustafson, Kirk R.
APPLICANT: Shoemaker, Robert H.
APPLICANT: McMahon, James B.
TITLE OF INVENTION: ANTIVIRAL PROTEINS, DNA CODING
TITLE OF INVENTION: ANTIVIRAL PROTEINS, DNA CODING
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: Two Prudential Plaza, Suite 4900
CITY: Chicago
STATE: IL
COUNTRY: U.S.A.
ZIP: 60601-6780
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/969,249A
FILING DATE: 12-NO. 598587-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/638610
FILING DATE: 28-APRIL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Carol Larcher
REGISTRATION NUMBER: 35,243
REFERENCE/DOCKET NUMBER: 75825
TELEPHONE: (312)616-5600
TELEFAX: (312)616-5700
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 101 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE 101 AA; 11013 MW; 49325 CN;

Query Match 100.0%; Score 683; DB 2; Length 101;
Best Local Similarity 100.0%; Pred. No. 4.70e-58;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 LGKFSQTCYNSAIOGSLVLTSTCERNGYNTSSIDLNSVIENVDGSLKQWPSNFIETCRN 60
QY 1 LGKFSQTCYNSAIOGSLVLTSTCERNGYNTSSIDLNSVIENVDGSLKQWPSNFIETCRN 60
Db 61 TOLAGSSELAACKTRAAQFVSTKINLDDHIANIDGTLKYE 101
QY 61 TOLAGSSELAACKTRAAQFVSTKINLDDHIANIDGTLKYE 101

RESULT 6
ID US-08-429-965-2 STANDARD; PRT; 101 AA.
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AC xxxxxx
XX
DT

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XX Sequence 2, Application US/08429965
XX DE
XX Sequence 2, Application US/08429965
XX Patent No. 5843882
XX GENERAL INFORMATION:
XX APPLICANT: Boyd, Michael R.
XX APPLICANT: Gustafson, Kirk R.
XX APPLICANT: Shoemaker, Robert H.
XX APPLICANT: McMahon, James B.
XX TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
XX TITLE OF INVENTION: CODING SEQUENCES THEREFOR, AND USES THEREOF
XX NUMBER OF SEQUENCES: 4
XX CORRESPONDENCE ADDRESS:
XX ADDRESSEE: Leydig, Voit & Mayer, Ltd.
XX STREET: Two Prudential Plaza, Suite 4900
XX CITY: Chicago
XX STATE: IL
XX COUNTRY: U.S.A.
XX ZIP: 60601-6780
XX COMPUTER READABLE FORM:
XX MEDIUM TYPE: Floppy disk
XX COMPUTER: IBM PC compatible
XX OPERATING SYSTEM: PC-DOS/MS-DOS
XX SOFTWARE: PatentIn Release #1.0, Version #1.25
XX CURRENT APPLICATION DATA:
XX APPLICATION NUMBER: US/08/429,965
XX FILING DATE: 27-APR-1995
XX CLASSIFICATION: 514
XX ATTORNEY/AGENT INFORMATION:
XX NAME: Larcher, Carol
XX REGISTRATION NUMBER: 35243
XX REFERENCE/DOCKET NUMBER: 61037
XX TELECOMMUNICATION INFORMATION:
XX TELEPHONE: (312)616-5600
XX TELEFAX: (312)616-5700
XX INFORMATION FOR SEQ ID NO: 2:
XX SEQUENCE CHARACTERISTICS:
XX LENGTH: 101 amino acids
XX TYPE: amino acid
XX TOPOLOGY: linear
XX MOLECULE TYPE: protein
XX SEQUENCE 101 AA; 11013 MW; 49325 CN;
XX
XX Query Match 100.0%; Score 683; DB 2; Length 101;
XX Best Local Similarity 100.0%; Pred. No. 4.70e-58;
XX Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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XX ID US-08-969-378-4 STANDARD; PRT; 109 AA.
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XX AC xxxxxx
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XX DT
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XX DE Sequence 4, Application US/08969378
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XX Sequence 4, Application US/08969378
XX Patent No. 6015876
XX GENERAL INFORMATION:
XX APPLICANT: Boyd, Michael R.
XX APPLICANT: Gustafson, Kirk R.
XX APPLICANT: Shoemaker, Robert H.
XX APPLICANT: McMahon, James B.
XX TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
XX TITLE OF INVENTION: CODING SEQUENCES THEREFOR, AND USES THEREOF
XX NUMBER OF SEQUENCES: 4
XX CORRESPONDENCE ADDRESS:
XX ADDRESSEE: Leydig, Voit & Mayer, Ltd.
XX STREET: Two Prudential Plaza, Suite 4900
XX CITY: Chicago
XX
XX CC Sequence 2, Application US/08429965
XX CC DE
XX CC Sequence 2, Application US/08429965
XX CC Patent No. 5843882
XX CC GENERAL INFORMATION:
XX CC APPLICANT: Boyd, Michael R.
XX CC APPLICANT: Gustafson, Kirk R.
XX CC APPLICANT: Shoemaker, Robert H.
XX CC APPLICANT: McMahon, James B.
XX CC TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
XX CC TITLE OF INVENTION: CODING SEQUENCES THEREFOR, AND USES THEREOF
XX CC NUMBER OF SEQUENCES: 4
XX CC CORRESPONDENCE ADDRESS:
XX CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
XX CC STREET: Two Prudential Plaza, Suite 4900
XX CC CITY: Chicago
XX CC STATE: IL
XX CC COUNTRY: U.S.A.
XX CC ZIP: 60601-6780
XX CC COMPUTER READABLE FORM:
XX CC MEDIUM TYPE: Floppy disk
XX CC COMPUTER: IBM PC compatible
XX CC OPERATING SYSTEM: PC-DOS/MS-DOS
XX CC SOFTWARE: PatentIn Release #1.0, Version #1.25
XX CC CURRENT APPLICATION DATA:
XX CC APPLICATION NUMBER: US/08/429,965
XX CC FILING DATE: 27-APR-1995
XX CC CLASSIFICATION: 514
XX CC ATTORNEY/AGENT INFORMATION:
XX CC NAME: Larcher, Carol
XX CC REGISTRATION NUMBER: 35243
XX CC REFERENCE/DOCKET NUMBER: 61037
XX CC TELECOMMUNICATION INFORMATION:
XX CC TELEPHONE: (312)616-5600
XX CC TELEFAX: (312)616-5700
XX CC INFORMATION FOR SEQ ID NO: 2:
XX CC SEQUENCE CHARACTERISTICS:
XX CC LENGTH: 101 amino acids
XX CC TYPE: amino acid
XX CC TOPOLOGY: linear
XX CC MOLECULE TYPE: protein
XX CC SEQUENCE 101 AA; 11013 MW; 49325 CN;
XX CC
XX CC Query Match 100.0%; Score 683; DB 2; Length 101;
XX CC Best Local Similarity 100.0%; Pred. No. 4.70e-58;
XX CC Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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XX CC 1 LKFSQTCYNSAIQGSVLTSTCERTNGGYNTSSIDLSNVIVDGLSKWQPSNFIETCRN 60
XX CC
XX CC 1 LKFSQTCYNSAIQGSVLTSTCERTNGGYNTSSIDLSNVIVDGLSKWQPSNFIETCRN 60
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XX CC
XX CC RESULT 7
XX CC ID US-08-969-378-4 STANDARD; PRT; 109 AA.
XX CC
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XX CC DT
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XX CC DE Sequence 4, Application US/08969378
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XX CC Sequence 4, Application US/08969378
XX CC Patent No. 6015876
XX CC GENERAL INFORMATION:
XX CC APPLICANT: Boyd, Michael R.
XX CC APPLICANT: Gustafson, Kirk R.
XX CC APPLICANT: Shoemaker, Robert H.
XX CC APPLICANT: McMahon, James B.
XX CC TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
XX CC TITLE OF INVENTION: CODING SEQUENCES THEREFOR, AND USES THEREOF
XX CC NUMBER OF SEQUENCES: 4
XX CC CORRESPONDENCE ADDRESS:
XX CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
XX CC STREET: Two Prudential Plaza, Suite 4900
XX CC CITY: Chicago
XX CC
XX CC CC Sequence 2, Application US/08429965
XX CC CC DE
XX CC CC Sequence 2, Application US/08429965
XX CC CC Patent No. 5843882
XX CC CC GENERAL INFORMATION:
XX CC CC APPLICANT: Boyd, Michael R.
XX CC CC APPLICANT: Gustafson, Kirk R.
XX CC CC APPLICANT: Shoemaker, Robert H.
XX CC CC APPLICANT: McMahon, James B.
XX CC CC TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
XX CC CC TITLE OF INVENTION: CODING SEQUENCES THEREFOR, AND USES THEREOF
XX CC CC NUMBER OF SEQUENCES: 4
XX CC CC CORRESPONDENCE ADDRESS:
XX CC CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
XX CC CC STREET: Two Prudential Plaza, Suite 4900
XX CC CC CITY: Chicago
XX CC CC STATE: IL
XX CC CC COUNTRY: U.S.A.
XX CC CC ZIP: 60601-6780
XX CC CC COMPUTER READABLE FORM:
XX CC CC MEDIUM TYPE: Floppy disk
XX CC CC COMPUTER: IBM PC compatible
XX CC CC OPERATING SYSTEM: PC-DOS/MS-DOS
XX CC CC SOFTWARE: PatentIn Release #1.0, Version #1.25
XX CC CC CURRENT APPLICATION DATA:
XX CC CC APPLICATION NUMBER: US/08/429,965
XX CC CC FILING DATE: 27-APR-1995
XX CC CC CLASSIFICATION: 514
XX CC CC ATTORNEY/AGENT INFORMATION:
XX CC CC NAME: Larcher, Carol
XX CC CC REGISTRATION NUMBER: 35243
XX CC CC REFERENCE/DOCKET NUMBER: 61037
XX CC CC TELECOMMUNICATION INFORMATION:
XX CC CC TELEPHONE: (312)616-5600
XX CC CC TELEFAX: (312)616-5700
XX CC CC INFORMATION FOR SEQ ID NO: 2:
XX CC CC SEQUENCE CHARACTERISTICS:
XX CC CC LENGTH: 101 amino acids
XX CC CC TYPE: amino acid
XX CC CC TOPOLOGY: linear
XX CC CC MOLECULE TYPE: protein
XX CC CC SEQUENCE 101 AA; 11013 MW; 49325 CN;
XX CC CC
XX CC CC Query Match 100.0%; Score 683; DB 3; Length 109;
XX CC CC Best Local Similarity 100.0%; Pred. No. 4.70e-58;
XX CC CC Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX CC CC
XX CC CC 9 LKFSQTCYNSAIQGSVLTSTCERTNGGYNTSSIDLSNVIVDGLSKWQPSNFIETCRN 68
XX CC CC
XX CC CC 1 LKFSQTCYNSAIQGSVLTSTCERTNGGYNTSSIDLSNVIVDGLSKWQPSNFIETCRN 60
XX CC CC
XX CC CC 69 TOLAGSSLAEECKTRAQOQFVSTKINLDDHIANIDGTLKYE 109
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XX CC CC 61 TOLAGSSLAEECKTRAQOQFVSTKINLDDHIANIDGTLKYE 101
XX CC CC
XX CC CC RESULT 8
XX CC ID US-08-970-179A-4 STANDARD; PRT; 109 AA.
XX CC
XX CC AC xxxxxx
XX CC
XX CC DT
XX CC
XX CC DE Sequence 4, Application US/08970179A
XX CC
XX CC Sequence 4, Application US/08970179A
XX CC Patent No. 5962668
XX CC GENERAL INFORMATION:
XX CC APPLICANT: Boyd, Michael R.
XX CC APPLICANT: Gustafson, Kirk R.
XX CC APPLICANT: Shoemaker, Robert H.
XX CC APPLICANT: McMahon, James B.
XX CC TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
XX CC TITLE OF INVENTION: CODING SEQUENCES THEREFOR, AND USES THEREOF
XX CC NUMBER OF SEQUENCES: 4
XX CC CORRESPONDENCE ADDRESS:
XX CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
XX CC STREET: Two Prudential Plaza, Suite 4900
XX CC CITY: Chicago
```

CC STATE: IL
CC COUNTRY: U.S.A.
CC ZIP: 60601-6780
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent in Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/970.179A
CC FILING DATE:
CC CLASSIFICATION:
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 08/638.610
CC FILING DATE: 26-APR-1996
CC APPLICATION NUMBER: US 08/429965
CC FILING DATE: 27-APR-1995
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Kilyk, John Jr.
CC REGISTRATION NUMBER: 30763
CC REFERENCE/DOCKET NUMBER: 61109
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (312)616-5600
CC TELEFAX: (312)616-5700
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 109 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 109 AA; 12008 MW; 57699 CN;
SQ
Query Match 100.0%; Score 683; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 4.70e-58;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 9 LGKFSQTCYNSAIOGSLVSTCERNGYNTSSIDLSNVIVNDGSLKWQPSNFIETCRN 68
QY 1 LGKFSQTCYNSAIOGSLVSTCERNGYNTSSIDLSNVIVNDGSLKWQPSNFIETCRN 60
Db 69 TOLAGSSELAEECKTRAQQFVSTKINLDDHIANIDGTLKYE 109
QY 61 TOLAGSSELAEECKTRAQQFVSTKINLDDHIANIDGTLKYE 101
RESULT 9
ID US-08-638-610-4 STANDARD: PRT: 109 AA.
XX
AC xxxxxx
XX
DT
DE Sequence 4, Application US/08638610
CC Patent No. 5821081
CC GENERAL INFORMATION:
CC APPLICANT: Boyd, Michael R.
CC APPLICANT: Gustafson, Kirk R.
CC APPLICANT: Shoemaker, Robert H.
CC APPLICANT: McMahon, James B.
CC TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
CC STREET: Two Prudential Plaza, Suite 4900
CC CITY: Chicago
CC STATE: IL
CC COUNTRY: U.S.A.
CC ZIP: 60601-6780
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent in Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/969.584
CC FILING DATE:

CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent in Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/638.610
CC FILING DATE: 26-APR-1996
CC CLASSIFICATION: 435
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 08/429965
CC FILING DATE: 27-APR-1995
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Kilyk, John Jr.
CC REGISTRATION NUMBER: 30763
CC REFERENCE/DOCKET NUMBER: 61109
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (312)616-5600
CC TELEFAX: (312)616-5700
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 109 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 109 AA; 12008 MW; 57699 CN;
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Query Match 100.0%; Score 683; DB 2; Length 109;
Best Local Similarity 100.0%; Pred. No. 4.70e-58;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 69 TOLAGSSELAEECKTRAQQFVSTKINLDDHIANIDGTLKYE 109
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ID US-08-969-584-4 STANDARD: PRT: 109 AA.
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DE Sequence 4, Application US/08969584
CC Patent No. 5962653
CC GENERAL INFORMATION:
CC APPLICANT: Boyd, Michael R.
CC APPLICANT: Gustafson, Kirk R.
CC APPLICANT: Shoemaker, Robert H.
CC APPLICANT: McMahon, James B.
CC TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
CC STREET: Two Prudential Plaza, Suite 4900
CC CITY: Chicago
CC STATE: IL
CC COUNTRY: U.S.A.
CC ZIP: 60601-6780
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent in Release #1.0, Version #1.25
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CC APPLICATION NUMBER: US/08/969.584
CC FILING DATE:

CC CLASSIFICATION:
CC PRIOR APPLICATION DATA: 08/429,965
CC APPLICATION NUMBER: 08/429,965
CC FILING DATE: 27-APR-1995
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Larcher, Carol
CC REGISTRATION NUMBER: 35243
CC REFERENCE/DOCKET NUMBER: 61037
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (312)616-5600
CC TELEFAX: (312)616-5700
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 109 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 109 AA; 12008 MW; 57699 CN;
CC
CC Query Match 100.0%; Score 683; DB 2; Length 109;
CC Best Local Similarity 100.0%; Pred. No. 4.70e-58;
CC Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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CC ID US-08-969-249A-4 STANDARD: PRT; 109 AA.
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CC DT
CC DE
CC DX
CC SEQUENCE 4, Application US/08969249A
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CC Sequence 4, Application US/08969249A
CC Patent No. 5998587
CC GENERAL INFORMATION:
CC APPLICANT: Boyd, Michael R.
CC APPLICANT: Gustafson, Kirk R.
CC APPLICANT: Shoemaker, Robert H.
CC APPLICANT: McMahon, James B.
CC TITLE OF INVENTION: ANTIVIRAL PROTEINS, DNA CODING
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
CC STREET: Two Prudential Plaza, Suite 4900
CC CITY: Chicago
CC STATE: IL
CC COUNTRY: U.S.A.
CC ZIP: 60601-6780
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent In Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/969,249A
CC FILING DATE: 12-NOV-1997
CC CLASSIFICATION: 530
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 08/638610
CC FILING DATE: 26-APR-1996
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Carol Larcher
CC REGISTRATION NUMBER: 35,243

CC REFERENCE/DOCKET NUMBER: 75825
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (312)616-5600
CC TELEFAX: (312)616-5700
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 109 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 109 AA; 12008 MW; 57699 CN;
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CC Query Match 100.0%; Score 683; DB 2; Length 109;
CC Best Local Similarity 100.0%; Pred. No. 4.70e-58;
CC Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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CC 9 LGKFSQTCYNSAIOGSLVSTTCERTNGGYNTSSIDLNSVIENVGSLKWQPSNFIETCRN 68
CC 1 LGKFSQTCYNSAIOGSLVSTTCERTNGGYNTSSIDLNSVIENVGSLKWQPSNFIETCRN 60
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CC Db 69 TQAGSSELAACEKTRAQQFVSTKINLDDHIANIDGTLKYE 109
CC 61 TQAGSSELAACEKTRAQQFVSTKINLDDHIANIDGTLKYE 101
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CC RESULT 12
CC ID US-08-429-965-4 STANDARD: PRT; 109 AA.
CC XX
CC AC xxxxxx
CC DT
CC DE
CC DX
CC SEQUENCE 4, Application US/08429965
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CC Sequence 4, Application US/08429965
CC Patent No. 5843882
CC GENERAL INFORMATION:
CC APPLICANT: Boyd, Michael R.
CC APPLICANT: Gustafson, Kirk R.
CC APPLICANT: Shoemaker, Robert H.
CC APPLICANT: McMahon, James B.
CC TITLE OF INVENTION: ANTIVIRAL PROTEINS AND PEPTIDES, DNA
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Leydig, Voit & Mayer, Ltd.
CC STREET: Two Prudential Plaza, Suite 4900
CC CITY: Chicago
CC STATE: IL
CC COUNTRY: U.S.A.
CC ZIP: 60601-6780
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent In Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/429,965
CC FILING DATE: 27-APR-1995
CC CLASSIFICATION: 514
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Larcher, Carol
CC REGISTRATION NUMBER: 35243
CC REFERENCE/DOCKET NUMBER: 61037
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (312)616-5600
CC TELEFAX: (312)616-5700
CC INFORMATION FOR SEQ ID NO: 4:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 109 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein

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RESULT 14
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XX Sequence 2, Application US/08753233
XX Patent No. 5728568
XX GENERAL INFORMATION:
XX APPLICANT: Sullivan, Francis
XX APPLICANT: Kriz, Ron
XX APPLICANT: Kumar, Ravindra
XX TITLE OF INVENTION: Human GDP-Mannose Hydratase
XX NUMBER OF SEQUENCES: 5
XX CORRESPONDENCE ADDRESS:
XX ADDRESSEE: Genetics Institute, Inc.
XX STREET: 87 CambridgePark Drive
XX CITY: Cambridge
XX STATE: Massachusetts
XX COUNTRY: USA
XX ZIP: 02140
XX COMPUTER READABLE FORM:
XX MEDIUM TYPE: Floppy disk
XX COMPUTER: IBM PC compatible
XX OPERATING SYSTEM: PC-DOS/MS-DOS
XX SOFTWARE: PatentIn Release #1.0, Version #1.30
XX CURRENT APPLICATION DATA: US/08/753,233
XX APPLICATION NUMBER: US/08/753,233
XX FILING DATE:
XX CLASSIFICATION:
XX ATTORNEY/AGENT INFORMATION:
XX NAME: Brown, Scott A.
XX REGISTRATION NUMBER: 32,724
XX REFERENCE/DOCKET NUMBER: G15285
XX TELECOMMUNICATION INFORMATION:
XX TELEPHONE: (617) 498-8224
XX TELEFAX: (617) 876-5851
XX INFORMATION FOR SEQ ID NO: 2:
XX SEQUENCE CHARACTERISTICS:
XX LENGTH: 354 amino acids
XX TYPE: amino acid
XX STRANDEDNESS:
XX TOPOLOGY: linear
XX MOLECULE TYPE: protein
XX SEQUENCE 354 AA; 40198 MW; 654553 CN;
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XX Query Match 11.7%; Score 80; DB 1; Length 354;
XX Best Local Similarity 21.1%; Pred. NO. 2.66e+01;
XX Matches 16; Conservative 26; Mismatches 30; Indels 4; Gaps
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XX Sequence 2, Application US/08984246
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XX Patent No. 5869307
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Search completed: Wed Aug 16 09:47:08 2000
Job time : 9 secs.